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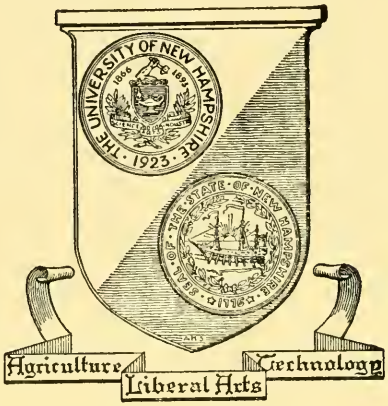

The University
of
New Hampshire

Bulletin 370 August, 1947

NEW HAMPSHIRE
AGRICULTURAL EXPERIMENT STATION

Department of Agronomy

Results of Seeds Tests For 1947

Made for the
STATE DEPARTMENT OF AGRICULTURE

By BESSIE G. SANBORN

THE UNIVERSITY OF NEW HAMPSHIRE
DURHAM, N. H.

RESULTS OF SEED TESTS

Made July 1, 1946, to June 30, 1947

This report contains the results of the seed inspection work for the State Department of Agriculture of 431 official samples collected throughout the state during the period from July 1, 1946, to June 30, 1947, by Mr. George Laramie, Seed Control Supervisor, and Mr. Vincent Peterson, Inspector. In addition to these official samples, 2,116 private samples were analyzed, making a total of 2,547 samples inspected.

Wholesalers are listed in alphabetical order except when samples are presumed to have been carried over, in which case they are listed alphabetically by dealers. The New Hampshire seed law requires that both agricultural and vegetable seeds must be labeled with the calendar month and year when last tested for germination, and requires that this germination test shall have been completed within nine months of being offered for sale. In the following tables, if the date of test was within the prescribed nine months, the sample is marked satisfactory, "S" in this respect; if no date was given, the word "None" appears indicating a violation; if the date was a violation of the law because the test was not made within nine months, the date given on the tag or label appears in that column.

The first part of the report deals with 209 samples of agricultural seed tested for purity, germination and noxious weed content. There is a tolerance or allowable variation from the guarantee for both purity and germination, in accordance with the Rules for Seed Testing adopted by the Association of Official Seed Analysts, so that, for instance a sample of timothy guaranteed 99.20% for purity and 85% for germination could test as low as 98.25% for purity and 77% for germination and be "satisfactory." If a sample when tested for purity falls within the allowable variation, it is marked "S" (satisfactory) ; if below the allowable variation, and therefore a violation, the actual figure found for purity is given. The same is true for germination in the case of agricultural seeds.

The second part of the report applies to 222 samples of vegetable seeds which were tested for germination only. The New Hampshire seed law requires that unless each packet or other container is plainly marked "Below Standard" together with the percentage of germination, vegetable seeds must test up to the prescribed standard for that kind of seed, and that there is no tolerance from the adopted standards. In the column headed "Found" if the same was up to standard, an "S" (satisfactory) appears. The exception to this is in the case of a given sample being marked with a guarantee, which is not required if vegetable seed is up to standard; then, if the seed is found to be below the regular tolerance from that guaranteed figure, the figure found upon test followed by "†" is listed as "mislabeled" even though it might in some cases be up to standard.

The New Hampshire seed law and the rules and regulations thereunder, including the germination standards for vegetable seed, follow:

STATE OF NEW HAMPSHIRE

CHAPTER 224, REVISED LAWS

(As inserted by Chapter 54 Laws of 1943)

AN ACT

To Regulate the Labeling, Sale and Offering or Exposing for Sale, of Agrciultural and Vegetable Seeds.

Agricultural and Vegetable Seeds

1. **Definitions.** Terms used in this chapter shall be construed as follows:

I. The term "agricultural seeds" shall include the seeds of grass, forage, cereal and fiber crops and any other kinds of seeds commonly recognized within this state as agricultural or field seeds, and mixtures of such seeds.

II. The term "vegetable seeds" shall include the seeds of those crops which are grown in gardens or on truck farms and are generally known and sold under the name of vegetable seeds in this state.

III. The term "weed seeds" shall include the seeds of all plants generally recognized as weeds within this state, and shall include noxious weed seeds.

IV. Noxious weed seeds shall be divided into two classes, "primary noxious weed seeds" and "secondary noxious weed seeds" as herein defined; provided, that the commissioner of agriculture may add to or subtract from the list of seeds included under either definition whenever he finds that such additions or subtractions are within the respective definitions.

V. "Primary noxious weed seeds" shall include the seeds of perennial weeds such as those that reproduce and spread by underground roots or stems as well as by seed, and which, when established, are highly destructive and difficult to control in this state by ordinary good cultural practice. Primary noxious weed seeds in this state are the seeds of: Canada thistle (Cirsium arvense), field bindweed (Convolvulus arvensis), and quackgrass (Agropyron repens).

VI. "Secondary noxious weed seeds" shall include the seeds of such weeds as are very objectionable in field, lawns, or gardens of this state, but can be controlled by good cultural practices. The secondary noxious weed seeds in this state are the seeds of: dodder (Cuscuta spp.) and crab grass (Digitaria sanguinalis).

VII. The term "labeling" includes all labels, and other written, printed, or graphic representations, in any form whatsoever, accompanying and pertaining to any seed whether in bulk or in containers, and includes invoices.

VIII. The term "advertisement" means all representations, other than those on the label, disseminated in any manner or by any means, relating to seed within the scope of this chapter.

2. **Label Requirement.** Each separate container of agricultural or vegetable seed, including seeds in small packets, which is sold, offered for sale, or exposed for sale, within this state for sowing purposes shall bear thereon or have attached thereto in a conspicuous place a plainly written or printed label or tag in the English language, giving the information as set forth in sections 3 and 4.

3. **Agricultural Seeds.** For agricultural seeds the following is required:

I. Commonly accepted name of kind, or kind and variety, of each agricultural seed component in excess of five per cent of the whole and the percentage by weight of each. Where more than one component is required to be named, the word "mixture" or "mixed" shall be associated with the name on the label.

II. Lot number or other lot identification.

III. Origin, if known, of alfalfa, red clover and field corn (except hybrid corn). If the origin is unknown, that fact shall be stated.

IV. Percentage by weight of all weed seeds, including those known as noxious weeds.

V. Secondary noxious weeds. The name and approximate number of each kind of secondary noxious weed seed, per ounce in groups (A) and (B) and per pound in groups (C) and (D), when present singly or collectively in excess of—

(A) One seed or bulblet in each 5 grams of Agrostis spp., Poa spp., Rhodes grass, Bermuda grass, timothy, orchard grass, fescues (except meadow fescue), alsike and white clover, reed canary grass, Dallis grass, and other agricultural seeds of similar size and weight, or mixtures within this group;

(B) One seed or bulblet in each 10 grams of ryegrass, meadow fescue, foxtail millet, alfalfa, red clover, sweetclovers, lespedezas, smooth brome, crimson clover, Brassica spp., flax, Agropyron spp., and other agricultural seeds of similar size and weight, or mixtures within this group, or of this group with (A);

(C) One seed of bulblet in each 25 grams of proso, Sudan grass and other agricultural seeds of similar size and weight, or mixtures not specified in (A), (B), or (D);

(D) One seed or bulblet in each 100 grams of wheat, oats, rye, barley, buckwheat, sorghums (except Sudan grass), vetches, and other agricultural seeds of a size and weight similar to or greater than those within this group, or any mixtures within this group.

All determinations of noxious weed seeds are subject to tolerances and methods of determination prescribed in the rules and regulations under this chapter.

VI. Percentage by weight of agricultural seeds other than those required to be named on the label.

VII. Percentage by weight of inert matter.

VIII. For each named agricultural seed, percentage of germination, exclusive of hard seed, percentage of hard seed, if present, and the calendar month and year the test was completed to determine such percentages.

IX. Name and address of the person who labeled said seed, or who sells, offers, or exposes said seed for sale within this state.

4. **Vegetable Seeds.** For vegetable seeds, the following is required:

I. Name of kind and variety of seed, and the calendar month and year when last tested for germination.

II. For seeds which germinate less than the standard last established by the commissioner of agriculture hereunder, and in type not smaller than ten point size: percentage of germination exclusive of hard seed; percentage of hard seed, if present; and the words "below standard."

III. Name and address of the person who labeled said seed, or who sells, offers or exposes said seed for sale within this state.

5. **Illegal Sales.** It shall be unlawful for any person to sell, offer for sale or expose for sale any agricultural or vegetable seed within this state:

I. Unless the test to determine the percentage of germination required by sections 3 and 4 shall have been completed within a nine-month period, exclusive of the calendar month in which the test was completed, immediately prior to sale, exposure for sale, or offering for sale or transportation.

II. Not labeled in accordance with the provisions hereof, or having a false or misleading labeling.

III. Pertaining to which there has been a false or misleading advertisement.

IV. Any agricultural seeds containing any primary noxious weed seeds except as may be allowed under tolerances prescribed in the rules and regulations hereunder.

6. **Prohibitions.** It shall be unlawful for any person within this state:

I. To detach, alter, deface, or destroy any label provided for herein or the rules and regulations made and promulgated hereunder, or to alter or substitute seed, in a manner that may defeat the purposes hereof.

II. To disseminate any false or misleading advertisement concerning agricultural or vegetable seed in any manner or by any means.

III. To hinder or obstruct in any way any authorized person in the performance of his duties hereunder.

IV. To fail to comply with a "stop sale" order.

7. **Exemptions.** The provisions of sections 2 to 6, inclusive, do not apply to seed or grain not intended for sowing purposes, nor to seed in storage in, or consigned to, a seed cleaning or processing establishment for cleaning or processing, provided, that any labeling or other representation which may be made with respect to the unclean seed shall be subject to the provisions hereof.

8. **Exceptions.** No person shall be subject to the penalties hereof for having sold, offered or exposed for sale in this state any agricultural or vegetable seeds, which were incorrectly labeled or represented as to kind, variety, or origin which seeds cannot be identified by examination thereof, unless he has failed to take all proper precautions to insure the identity to be that stated in accordance with rules and regulations hereunder.

9. **Duties and Authority of Commissioner of Agriculture.** The commissioner of agriculture, who may act through his authorized agents, shall have the power:

I. To sample, inspect, make analyses of, and test, agricultural and vegetable seeds transported, sold, offered or exposed for sale within this state for sowing purposes, at such time and place and to such extent as he may deem necessary to determine whether said agricultural or vegetable seeds are in compliance with the provisions hereof, and to notify promptly the person who transported, sold, offered or exposed the seed for sale, of any violation.

II. To prescribe, and after public hearing to adopt, rules and regulations governing the methods of sampling, inspecting, analysis, tests, and examination of agricultural and vegetable seed, and the tolerances to be followed in the administration hereof, which shall be in general accord with officially prescribed practice in interstate commerce, and such other rules and regulations as may be necessary to secure the efficient enforcement hereof.

III. To enter upon any public or private premises during regular business hours in order to have access to seeds subject to this chapter and the rules and regulations promulgated hereunder.

IV. To issue written or printed "stop sale" orders which shall prohibit further sale of any lot of agricultural or vegetable seed which the commissioner has reason to believe is in violation of any of the provisions hereof until the law has been complied with or said violation otherwise legally disposed of: Provided, that no "stop sale" order shall be issued or attached to any lot of seed without first giving the owner or custodian of such seed an opportunity to comply with the law or to withdraw the seed from sale.

V. To establish and maintain or make provision for seed testing facilities, to employ qualified persons, and to incur such expenses as may be necessary to comply with these provisions.

VI. To make or provide for making purity and germination tests of seeds for farmers and dealers on request; to prescribe rules and regulations governing such testing; and to fix and collect charges for the tests made. All fees collected hereunder shall be paid over by the commissioner to the state treasurer who shall keep the same in a special fund to be used only for purposes of this chapter.

VII. To cooperate with the United States Department of Agriculture in seed law enforcement.

10. **Seizure.** Upon the recommendation of the commissioner of agriculture or his duly authorized agents, the court of competent jurisdiction in the area in which the seed is located shall cause the seizure and subsequent denaturing, processing, or destruction to prevent the use for sowing purposes of any lot of agricultural or vegetable seed found to be unfit for sowing purposes: Provided, that in no instances shall the denaturing, processing, or destruction be ordered without first having given the claimant of said seed an opportunity to apply to said court for the release of said seed.

11. **Penalties.** Whoever violates any of the provisions of this chapter or any rule or regulation promulgated hereunder shall be fined not exceeding one hundred dollars for the first offense and not exceeding two

hundred and fifty dollars for each subsequent offense. Fines collected hereunder shall be paid, by the court collecting the same, to the commissioner of agriculture and by him forwarded to the state treasurer for the use of the state.

12. **Publication.** The commissioner of agriculture shall publish, or cause to be published, the results of tests and analyses of samples of agricultural and vegetable seeds, as herein provided, together with the names and addresses of the persons from whom the samples of seed were obtained. He may publish such other information as he may deem advisable concerning the value, character and use of certain seeds.

13. **Takes Effect.** This act shall take effect upon its passage.

Approved March 10, 1943.

Sampling.

(a) In order to secure a representative sample, equal portions shall be taken from evenly distributed parts of the quantity of seed to be sampled. Access shall be had to all parts of that quantity.

(b) For free-flowing seed in bags or bulk, a probe or trier shall be used. For small free-flowing seed in bags, a probe or trier long enough to sample all portions of the bag should be used.

(c) Non-free-flowing seed, such as certain grass seed, uncleaned seed, or screenings, difficult to sample with a probe or trier, shall be sampled by thrusting the hand into the bulk and withdrawing representative portions.

(d) The portions shall be combined into a composite sample or samples.

(e) As the seed is sampled, each portion shall be examined, and, whenever there appears to be a lack of uniformity, additional samples shall be taken to show such lack of uniformity as may exist.

Bulk seeds shall be sampled by inserting a long probe or thrusting the hand into the bulk as circumstances require in several uniformly distributed parts of the quantity being sampled.

Bags. (1) In quantities of five bags or less, each bag shall be sampled.

(2) In quantities of more than five bags, at least every fifth bag but not less than five bags shall be sampled. Samples shall be drawn from unopened bags except under circumstances where the identity of the seed has been preserved.

In sampling packet seeds, entire unopened packets shall be taken.

Size of sample. The following are minimum weights of samples of seed to be submitted for analysis, test, or examination:

(1) Two ounces of grass seed not otherwise mentioned, white or alsike clover, or seeds not larger than these.

(2) Five ounces of red or crimson clover, alfalfa, ryegrass, bromegrasses, millet, flax, rape, or seeds of similar size.

(3) Two pounds of cereals, vetches, or seeds of similar or larger size.

(4) Two quarts of screenings.

Analysis.

The New Hampshire seed laboratory will be guided in making purity and germination tests by the rules and regulations prescribed under the Federal Seed Act.

Tolerance.

Owing to the natural variation between tests, the following tolerances shall be allowed between the percentages found by analysis, test or examination and the percentages stated on the tag accompanying the seed:

For purity: Allowing "a" to represent the component being considered and "b" the difference between that percentage and 100, according to the following formula:

$$\text{Pure seed tolerance} = 0.6 + \left(0.2 \times \frac{a \times b}{100} \right)$$

a sample of timothy guaranteed 99.20 would have an allowable variation of .75 or could test as high as 99.95 or as low as 98.45 and be "satisfactory."

For germination: The following tolerances are applicable:

Healthy sprouts found by test in each 100 seeds	Tolerance
96 or over	5
90 or over but less than 96	6
80 or over but less than 90	7
70 or over but less than 80	8
60 or over but less than 70	9
Less than 60	10

Therefore, a sample of seed guaranteed 85% for germination may be as high as 92% or as low as 78% and be "satisfactory."

For weed seeds: The law requires in the labeling of agricultural seed (1) that the percentage of all weed seeds present shall be shown on the tag, (2) that no primary noxious weed seeds shall be present in the sample, and (3) that secondary noxious weed seeds shall be given by name and approximate number, per ounce in groups (A) and (B) and per pound in groups (C) and (D), when present singly or collectively in excess of—

(A) One seed or bulblet in each 5 grams of Agrostis species, Poa species, Rhodes grass, Bermuda grass, timothy, orchard grass, fescues (except meadow fescue), alsike and white clover, reed canary grass, Dallis grass, and other agricultural seeds of similar size and weight, or mixtures within this group;

(B) One seed or bulblet in each 10 grams of ryegrass, meadow fescue, foxtail millet, alfalfa, red clover, sweetclovers, lespedezas, smooth brome, crimson clover, Brassica species, flax, Agropyron species, and other agricultural seeds of similar size and weight, or mixtures within this group, or of this group with (A);

(C) One seed or bulblet in each 25 grams of proso, Sudan grass and other agricultural seeds of similar size and weight, or mixtures not specified in (A), (B), or (D);

(D) One seed or bulblet in each 100 grams of wheat, oats, rye, barley, buckwheat, sorghum (except Sudan grass), vetches, and other agricultural seeds of a size and weight similar to or greater than those within this group, or any mixtures within this group.

Certain tolerances are allowed, however, to provide for variations and unavoidable errors, but only within very narrow limits and for which there is always a standard formula for computation. Examples: (1) Timothy guaranteed only 2 per cent weed seeds will not be condemned if it has a 2.59 per cent. (2) No primary noxious weed seeds are allowed, but the presence of two such seeds in 50 grams of timothy would not be considered a violation. (3) Similarly, some slight variation from the minimum requirement for labeling secondary noxious weed seeds will be passed as satisfactory.

Free Testing.

The Seed Testing Laboratory will allow six free tests, in a given year, to any resident company or person of New Hampshire, but such seeds must be received in the laboratory during the months of November, December, January and February. This number of samples, not including mixtures, may be analyzed either for purity or for germination, or three samples for both purity and germination, free of charge. A given seed company will be entitled to six private tests without charge, but not six from each branch store. For numbers in excess of six, a charge will be made for labor and consumable supplies only, the amount depending on the type of sample according to the following schedule:

Germination tests of all crop seeds, including timothy, clovers and alfalfa, 25 cents each;

Germination tests of all grasses except timothy, 50 cents each;

Germination tests of mixtures, 25 cents for each kind of seed present;

Purity analyses of cereals like corn and oats, 50 cents each; and of timothy, 75 cents each;

Purity analyses of all other kinds of crop seeds, except grasses, 75 cents each;

Purity analyses of the smaller grass seeds and of all mixtures of not more than two kinds of agricultural seeds, $1.00 each;

All purity analyses of special mixtures, including those for lawn and pasture seeding, a charge sufficent to cover the actual cost of working the sample submitted for test, minimum charge of $1.25.

Such private samples of seed to be tested should be drawn in such a way as to be representative of the bulk lot from which they are taken, and should be addressed to the State Seed Testing Laboratory, Durham, New Hampshire. Such private tests cannot be declared as state official tests unless drawn by a representative of the department of agriculture, as provided in Chapter 224 of the Public Laws. Fees must be paid before reports will be sent out.

The minimum weights of samples to be submitted for analysis are:

1. Two ounces of grass seed, white or alsike clover, or seeds not larger than these.
2. Five ounces of red or crimson clover, alfalfa, rye grasses, millet, rape, or seeds of similar size.
3. One pound of cereal, vetches or seeds of similar or larger size.

The minimum number of seeds of any one kind to be submitted for a germination test is 400.

Germination Standards for Vegetable Seed.

Following are the germination standards established by the commissioner of agriculture pertaining to Section four of the act entitled Vegetable Seeds.

	Per cent		Per cent
Artichoke	60	Broccoli	75
Asparagus, including hard seeds	70	Brussells sprouts	70
Beans (except lima)	75	Cabbage	75
Beans, lima	70	Carrot	55
Beets	65	Cauliflower	75
		Celery and celeriac	55

Chicory	65	Parsley	60
Citron	65	Parsnip	60
Collards	80	Peas	80
Corn	75	Pepper	55
Cress, garden	40	Pumpkin	75
Cress, water	25	Radish	75
Cucumber	80	Rhubarb	60
Dandelion	45	Rutabaga	75
Eggplant	60	Salsify	75
Endive	70	Sorrel	60
Fetticus (cornsalad)	70	Spinach (except New Zealand)	60
Kale	75	Spinach (New Zealand)	40
Kohlrabi	75	Squash	75
Leek	60	Swiss chard	65
Lettuce	80	Tomato	75
Muskmelon	75	Tomato, husk	50
Mustard	75	Turnip	80
Okra	50	Watermelon	70
Onion	70		

Labeling.

The following labels are suggested as meeting the minimum requirements of the New Hampshire seed law.

Example for unmixed agricultural seed:

John F. Doe Company
Greene, N. H.

Mammoth Clover — Lot No. 243

Pure seed	98.65	Germination	80%
Crop seed	.86		
Weeds	.38	Hard seeds	7
Inert matter	.11		
Origin Idaho		Date of test Jan. 1947	

1 dodder per oz.

Example for mixed agricultural seed:

John F. Doe Company
Greene, N. H.

Grass seed, mixed — Lot No. 0236

Purity:		Germination:	
Perennial rye grass	32.23%	92.5%	Jan. 1947
Chewing fescue	18.08	85.0%	Dec. 1946
Kentucky bluegrass	14.75	80.0%	Jan. 1947
Canada bluegrass	15.37	58.5%	Jan. 1947
Creeping bent	14.20	84.0%	Jan. 1947
Crop seed	.61		
Weed seed	2.07		
Inert matter	2.69		

5 Crabgrass per oz.

Example for vegetable seed:

(Up to standard)	"New York Lettuce John Smith, Dale, Ill. Date of Germination test: Feb. 7, 1947."
(For vegetable seed which germinates less than standard)	"New York Lettuce John Smith, Dale, Ill. Date of Germination test: Feb. 7, 1947. Germination 75% BELOW STANDARD

The law states that "each separate container of agricultural or vegetable seed, including seeds in small packets, shall be labeled"; but if a dealer has bulk lots of seeds exposed for sale and these bulk lots are properly labeled, he shall not be required to copy the information from the label on to each individual bag in which he delivers small lots of this bulk seed over the counter to customers.

AGRICULTURAL SEED INSPECTION, 1947

Name and Address of Wholesaler Name and Address of Dealer Kind of Seed	Sample No.	Date Tested*		Pure Seed	Other Crop Seed	Weed Seed	Inert Matter	Germination	Remarks
				(Note)	(Note)	(Note)	(Note)	(Note)	
BARBER & BENNETT, INC., Albany, N. Y.									
Merrimack Farmers' Exch., Inc., Concord									
Buckwheat, F-5287	14277	S	L	99.23	.04	.02	.71	94	
			F	S	S	S	S	S	
JOSEPH BRECK & SONS, Boston, Mass.									
H. P. Maxfield, Inc., Pittsfield									
Grass Seed, Breck's Good Grade, 7454	14487	S	L	..	..	.90	12.94	..	
			F	..	S	S	S	..	
Ryegrass			L	49.25	..	..	..	90	Percentage of kinds of seed found not to be as stated on label.
			F	28.25	..	..	..	S	
Redtop, unhulled			L	12.15	..	..	..	80	
			F	**23.70**	..	..	..	S	
Timothy			L	11.92	..	..	..	90	
			F	**3.36**	..	..	..	S	
Chewings fescue			L	9.90	..	..	..	90	
			F	**33.33**	..	..	..	S	
White and Alsike clover			L	2.94	..	..	..	70	Germination of clover below guarantee.
			F	2.67	..	..	..	48	
Wendell's, Portsmouth									
Redtop, 55-41	14534	S	L	98.15	.19	.19	1.48	90	Weed seed excessive.
			F	S	S	**.99**	S	S	
W. ATLEE BURPEE CO., Philadelphia, Pa.									
Mabbett Home & Auto Supply, Rochester									
Rape, Dwarf Essex, 978	14389	S	L	..	..	..	..	90	No guarantee for purity.
			F	99.86	..	..	.14	S	
CLEVELAND GRAIN CO., Cleveland, Ohio									
Jesseman's Grain Store, Lisbon									
Oats, No. 1 White, D. R. C.	14658	S	L	98.00	1.40	.30	.30	92	Inert matter excessive.
			F	S	S	S	**.69**	S	

* As stated on accompanying tag. "S" in this column indicates that date of test was in compliance with law. Figures or "None" indicate violation. Note: L—Label; F—Found. "S" in the Found line indicates that the sample was satisfactory in relation to the guarantee. Figures indicate violation. A Above guarantee.

Name and Address of Wholesaler Name and Address of Dealer Kind of Seed	Sample No.	Date Tested*	Pure Seed	Other Crop Seed	Weed Seed	Inert Matter	Germination	Remarks
			(Note)	(Note)	(Note)	(Note)	(Note)	
ARTHUR R. CONE, Buffalo, N. Y.								
W. R. Barnett Co., Colebrook								
Barley, Alpha, 52-91	14613	S	L 99.49	.01	.01	.49	90	Inert matter excessive.
			F S	S	S	**1.01**	S	
Barley, Wisconsin, No. 38, 52 x 73	14614	S	L 99.00	.50	.10	.40	88	Purity below guarantee. Other
			F **96.76**	**2.23**	S	**1.01**	A	crop and inert matter excessive.
Corn, Minnesota No. 13, 80-225	14609	S	L 99.50	..	..	.50	90	
			F S	S	S	S	S	
Corn, Cornell No. 11, 80-230	14611	S	L 99.50	..	..	.50	90	
			F S	S	S	S	S	
Ladino Clover, 35-22	14615	S	L 99.76	.01	.05	.18	87	Purity below guarantee. Other
			F **98.71**	**.30**	S	.72	S	crop and inert matter excessive.
Colebrook Feed Co., Colebrook								
Hungarian Millet, 90-40	14675	S	L 99.15	.03	.79	.03	82	
			F S	S	S	S	S	
Red Clover, Medium, 15-702	14664	S	L 99.12	.20	.30	.38	82	Other crop seeds excessive.
			F S	**.65**	S	S	S	
Rye, Winter, Rosen Type, 56 x 41	14677	S	L 97.60	.05	.10	2.25	82	Other crop seeds excessive.
			F S	**.60**	S	S	S	
Wheat, Mida, 54-36	14669	S	L 98.78	..	..	.22	90	
			F S	S	S	S	S	
G. B. Currier Co., West Stewartstown								
Alsike Clover, 25-455	14655	S	L 98.25	.65	.60	.50	78	Weed seeds excessive.
			F S	S	**1.40**	S	S	
Mixture, Timothy and Alsike Clover, 12-29	14654	S	L 95.00	1.30	.75	2.95	..	
			F ..	S	S	S	..	
Timothy			L 75.00	..	..	..	90	
			F S	..	.	..	S	
Alsike Clover			L 20.00	..	..	..	75	
			F S	..	..	..	S	
Red Clover, Medium, 15-682	14656	S	L 99.00	.46	.38	.16	81	Purity below guarantee. Other
			F **93.51**	**5.92**	S	S	S	crop seeds excessive.
Redtop, 30-158	14653	S	L 92.00	.10	.50	7.40	90	Weed seeds excessive.
			F S	S	**1.10**	S	S	
Timothy, 10 x 711	14657	S	L 99.69	.03	.18	.10	90	
			F S	S	S	S	S	
Elm City Grain Co., Keene								
Red Clover, Medium, 15-682	14339	S	L 99.05	..	..	..	92	Germination below guarantee;
			F S	.35	.21	.36	**83**	percentage of other crop, weed seeds and inert matter should be stated.
Soybeans, Black Wilson, 62-42	14338	S	L 98.00	..	.50	1.50	90	
			F S	S	S	S	S	

General Mills, Inc., Portsmouth									
Alsike Clover, 25-442	14541	S	L	98.50	1.16	.20	.14	78	Germination below guarantee; weed seeds and inert matter excessive.
			F	S	S	.55	.64	54	
General Mills, Inc., Nashua									
Corn, Early Eureka, 80 x 209	14496	S	L	99.00	..	..	1.00	90	
			F	S	S	S	S	S	
Corn, Hybrid 84 x 120, 29-3	14498	S	L	99.50	..	..	.50	90	
			F	S	S	S	S	S	
Corn, Lancaster Sure Crop, 80 x 195	14505	S	L	99.50	..	..	.50	90	
			F	S	S	S	S	S	
Japanese Millet, 90 x 81	14497	S	L	99.30	.	.28	.42	85	
			F	S	S	S	S	S	
Red Clover, Medium, 15 x 689	14504	S	L	99.50	.20	.20	.10	75	
			F	S	S	S	S	A	
Soybeans, Seneca, 62 x 43	14499	S	L	99.00	.15	.05	.80	90	
			F	S	S	S	S	S	
Johnson Grain Co., Nashua									
Brome Grass, 43-12	14527	S	L	94.20	.10	.10	5.60	80	
			F	S	S	S	S	S	
Buckwheat, Silverhull type, 58 x 69	14517	S	L	98.75	.60	.60	.15	90	
			F	S	S	S	S	S	
Field Peas, Canadian, 60-16	14524	S	L	99.25	..	..	.75	90	
			F	S	S	S	S	S	
Soybeans, Black Wilson, 62-30	14521	S	L	98.25	.20	.15	1.40	80	
			F	S	S	S	S	S	
Timothy, 10-722	14519	S	L	99.60	.17	.14	.08	90	
			F	S	S	S	S	S	
White Clover, 32-88	14526	S	L	97.85	1.75	.20	.20	77	Purity below guarantee. Other crop, weed seeds and inert matter excessive.
			F	78.66	15.26	5.37	.71	S	
North Stratford Grain Co., North Stratford									
Corn, Smoky Dent, 80-242	14592	S	L	99.50	..	..	.50	90	Germination below guarantee.
			F	S	S	S	S	77	
Oats, Vicland, 50-99	14590	S	L	99.00	.10	.05	.85	90	
			F	S	S	S	S	S	
F. B. Spaulding Co., Lancaster									
Corn, Lancaster Sure Crop, 80-211	14690	S	L	99.50	..	..	.50	90	
			F	S	S	S	S	S	
Corn, Canada Flint type, 83-236	14691	S	L	99.50	..	..	.50	90	
			F	S	S	S	S	S	
Corn, Westbranch Sweepstakes, 80-228	14696	S	L	99.50	..	..	.50	90	Germination below guarantee.
			F	S	S	S	S	76	
Corn, Aneco 90 Hybrid, 83-126	14697	S	L	99.50	..	..	.50	90	
			F	S	S	S	S	S	

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Name and Address of Wholesaler Name and Address of Dealer Kind of Seed	Sample No.	Date Tested*	Pure Seed	Other Crop Seed	Weed Seed	Inert Matter	Germination	Remarks
			(Note)	(Note)	(Note)	(Note)	(Note)	
Hungarian Millet, 90 x 85	14699	S	L 99.20	.02	.54	.24	85	
			F S	S	S	S	S	
Soybeans, B. W., 62-42	14695	S	L 98.00	..	.50	1.50	90	
			F S	S	S	S	S	
Timothy, 10-661	14700	S	L 99.60	.02	.02	.36	90	
			F S	S	S	S	S	
Wheat, Mida type, 54-71	14693	S	L 99.40	.13	.07	.40	90	Inert matter excessive.
			F S	S	S	**1.17**	S	
The Stymest Company, Bath								
Japanese Millet, 90-77	14633	S	L 99.28	..	.34	.38	85	
			F S	S	S	S	S	
Timothy, 10-727	14634	S	L 99.70	.05	.10	.15	90	
			F S	S	S	S	S	
CHARLES. M. COX COMPANY, Boston, Mass.								
North Stratford Grain Co., North Stratford								
Seed Oats (Wirthmore Brand)	14591	S	L 98.80	.90	.10	.20	94	No lot identification.
			F S	S	S	S	S	
F. B. Spaulding & Co., Lancaster								
Barley, Fancy Trebi 6-rowed	14694	S	L 96.00	2.00	.50	.50	95	No lot identification.
			F S	S	S	S	S	
CRAVER-DICKINSON SEED CO., Buffalo, N. Y.								
Merrimack Farmers' Exch., Inc., Concord								
Barley, Wisconsin No. 38, 71-119	14274	S	L 98.00	1.91	.01	.08	90	
			F S	S	S	S	S	
Canada Field Peas, 85-8	14275	S	L 99.12	..	..	.88	89	Inert matter excessive.
			F S	S	S	**1.65**	S	
ALBERT DICKINSON CO., Chicago, Ill.								
Colebrook Feed Co., Colebrook								
Red Clover, Medium, 24627	14670	S	L 98.80	.58	.34	.28	84	
			F S	S	S	S	S	
E. STATES FARMERS' EXCH., Springfield, Mass.								
Eastern States Farmers' Exch., Manchester								
Mixture, Hay and Pasture, No. 3, No. 1379:	14346	S	L ..	.35	.14	.24	..	
			F ..	S	S	S	..	
Medium Red Clover			L 30.00	..	..	..	76	
			F S	..	..	..	S	
Ladino Clover			L 6.00	..	..	..	86	Germination below guarantee.
			F S	..	..	..	**69**	
Variegated Alfalfa			L 30.00	..	..	..	57	Germination below guarantee.
			F S	..	..	..	**34**	

Timothy			L	34.00	..	..	..	90	
			F	S	..	..	..	S	
Eastern States Farmers' Exch., Dover									
Mixture, Hay and Pasture, No. 2, No. 1378:	14416	S	L	..	.23	.17	.60	..	
			F	..	S	S	S	..	
Red Clover			L	30.00	..	..	..	88	
			F	S	..	..	..	S	
Alsike Clover			L	20.00	..	..	..	71	
			F	S	..	..	..	S	
Timothy			L	40.00	..	..	..	90	
			F	S	..	..	..	S	
Redtop			L	10.00	..	..	..	91	
			F	S	..	..	..	S	
Eastern States Farmers' Exch., Woodsville									
Corn, Cornell, 29-3, 1408	14642	S	L	99.25	..	.75	..	95	
			F	S	S	S	S	S	
Oats, Vicland, 4	14639	S	L	99.50	.10	.10	.30	90	
			F	S	S	S	S	S	
Oats, Ajax, 905	14640	S	L	99.50	.05	.05	.40	94	
			F	S	S	S	S	S	
Oats, Forage, 1400	14645	S	L	99.00	.35	.15	.50	90	Other crops and weed seeds excessive.
			F	S	.86	.51	S	S	
Orchard Grass, 71013	14643	S	L	88.87	.84	.26	9.30	85	
			F	S	S	S	S	S	
CHAS. C. HART SEED CO., Wethersfield, Conn.									
Delaware Seed Store, Farmington									
Timothy, 62	14439	S	L	99.80	..	.10	.10	96	Other crop seeds excessive.
			F	S	.29	S	S	S	
J. Jones & Son, Alton									
Red Clover, 5229	14460	S	L	99.00	.65	.25	.10	80	
			F	S	S	S	S	A	
Redtop, Fancy	14459	S	L	92.11	.17	.52	7.20	90	No lot identification. Weed seeds excessive.
			F	S	S	1.73	S	S	
H. P. Maxfield, Inc., Pittsfield									
Alsike Clover, 25-455	14489	S	L	98.25	.65	.60	.50	78	
			F	S	S	S	S	S	
Hungarian Millet, 6-51	14488	S	L	99.00	..	.86	.14	85	
			F	S	S	S	S	S	
HENRY HIRSCH & SONS, INC., Toledo, Ohio									
Colebrook Feed Co., Colebrook									
Alsike Clover, 4694	14668	S	L	98.65	1.00	.07	.22	78	Weed seeds and inert matter excessive.
			F	S	S	1.11	.72	S	

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Name and Address of Wholesaler Name and Address of Dealer Kind of Seed	Sample No.	Date Tested*	Pure Seed	Other Crop Seed	Weed Seed	Inert Matter	Germination	Remarks
			(Note)	(Note)	(Note)	(Note)	(Note)	
J. CHAS. McCULLOUGH SEED CO., Cincinnati, Ohio								
L. O. Moulton, Ossipee								
Redtop, Fancy, 8693	14580	S	L 92.11	.17	.52	7.20	90	Other crop seed and weed seed excessive.
			F S	1.15	1.34	S	S	
Arthur L. Potter, Conway								
Alsike Clover, 8778	14619	S	L 98.38	1.42	.15	.05	74	Weed seeds and inert matter excessive.
			F S	S	.49	.34	S	
Red Clover, Medium, 8753	14638	S	L 99.41	.47	.04	.08	78	
			F S	S	S	S	S	
Timothy, 8364	14626	S	L 99.83	.05	.05	.25	92	
			F S	S	S	S	S	
MERRIMACK FARMERS' EXCH., INC., Concord								
Merrimack Farmers' Exch., Inc., Concord								
Field Seed Mixture, No. 1:	14276	S	L ..	.20	.30	.10	..	Inert matter excessive.
			F .	S	S	.66	..	
Redtop			L 12.00	..	..	..	81	
			F S	..	..	..	S	
Red Clover			L 37.30	..	..	..	89	Red clover and alsike clover below guarantee for germination.
			F S	..	..	..	74	
Alsike Clover			L 12.10	..	..	..	92	
			F S	..	..	..	73.5	
Timothy			L 37.10	..	..	..	90	
			F S	..	..	.	S	
NORTHRUP, KING & CO., Berkeley, Calif.								
Arthur L. Potter, Conway								
Ladino Clover, B-7647	14621	S	L 99.50	.04	.35	.11	88	
			F S	S	S	S	S	
PAGE SEED CO., Greene, N. Y.								
R. J. Barbin & Co., Berlin								
Buckwheat, Silverhull, J 13-W-47	14571	S	L 99.82	.12	.01	.06	89	
			F S	S	S	S	A	
Ladino Clover, 56 L 17	14570	S	L 99.02	.51	.35	.12	87	Inert matter excessive.
			F S	S	S	.54	S	
Rape, Dwarf Essex	14567	S	L 99.00	..	.25	.75	95	No lot identification.
			F S	S	S	S	S	
Soybeans, Manchu, J23-S46	14573	S	L 99.00	..	..	1.00	85	Germination below guarantee.
			F S	S	S	S	70.5	
Colebrook Feed Co., Colebrook								
Japanese Millet, J 5-C47	14674	S	L 98.61	..	.53	.86	88	Weed seeds excessive.
			F S	S	1.08	S	S	

E. J. Daneault Co., Nashua									
Seed Oats, F8-9347	14516	S	L	99.00	..	..	.	96	4 quackgrass per pound found.
			F	S	.01	.01	.09	S	
Hillsborough Feed Store, Hillsborough									
Alsike Clover, L5-2847	14481	S	L	94.06	5.52	.37	.05	78	
			F	S	S	S	S	S	
Redtop, H-3847	14480	S	L	92.59	1.59	.39	5.46	90	Weed seeds excessive.
			F	S	S	1.01	S	S	
Jefferson Feed & Supply Co., Rochester									
Seed Corn, Golden Ensilage, 7046	14371	S	L	..	..	..	..	90	Germination below guarantee.
			F	99.50	S	S	.50	81	
Hungarian Millet, F6-N47	14369	S	L	95.11	.25	2.32	2.30	80	
			F	S	S	S	S	A	
Japanese Millet, F5-B47	14370	S	L	97.76	..	2.00	.24	80	Germination below guarantee.
			F	S	S	S	S	65	
Redtop, L1-3847	14372	S	L	92.59	1.56	.39	5.46	90	Weed seeds excessive.
			F	S	S	1.14	S	S	
Timothy, 1-3-3847	14373	S	L	99.52	.06	.04	.38	90	
			F	S	S	S	S	S	
Merrimack Farmers' Exch., Inc., Concord									
Seed Corn, Page's Early Leaming, 7035	14335	S	L	..	..	..	..	88	
			F	99.50	S	S	.50	S	
Seed Corn, Golden Sweepstakes, 7017	14336	S	L	..	..	..	.	90	
			F	99.50	S	S	S	S	
Corn, Cornell 29-3, Certified	14337	S	L	99.20	..	..	.08	90	
			F	S	S	S	S	S	
Corn, West Branch Sweepstakes, No. 7001	14364	S	L	..	..	..	..	90	Germination below guarantee.
			F	99.50	S	S	.50	77.5	
Corn, West Branch Sweepstakes, Penn.	14704	S	L	..	..	.	..	90	
				99.50	S	S	.50	S	
WM. G. SCARLETT CO., Baltimore, Md.									
Nashua Grain Co., Nashua									
Lawn Seed, No. 29011, Nashua Special:	14347	S	L	90.10	.90	1.10	7.90	..	
			F		S	S	S		
Kentucky Bluegrass			L	20.40	..	..	.	80	
			F	S	..	..	..	S	
Chewings Fescue			L	6.90	..	..	..	90	
			F	S	..	..	..	S	
White Clover			L	4.40	..	..	..	50	
			F	S	..	..	..	A	
Redtop			L	54.00	..	..	..	90	
Bent Grass			L	4.40	..	..			
Agrostis spp. (Redtop and Astoria Bent)			F	58.89	..	..	..	94	

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Name and Address of Wholesaler Name and Address of Dealer Kind of Seed	Sample No.	Date Tested*	Pure Seed (Note)	Other Crop Seed (Note)	Weed Seed (Note)	Inert Matter (Note)	Germination (Note)	Remarks
F. B. SPAULDING CO., Lancaster, N. H.								
F. B. Spaulding Co., Lancaster								
Oats, Vicland, 012-147	14692	S	L 98.40 F S	1.00 S	.50 S	.10 S	95 S	21 quackgrass per pound found.
THE STANFORD SEED CO., Buffalo, N. Y.								
Delaware Seed Store, Farmington								
Red Clover, Medium, 5-665	14441	S	L 99.00 F S	.28 .64	.46 S	.26 S	76 S	Other crop seeds excessive.
Dover Grain Co., Dover								
Redtop, 2062	14419	S	L 92.00 F S	.00 S	.60 S	7.40 S	90 S	
Timothy, 2101	14386	S	L 99.70 F S	.05 S	.05 S	.20 S	90 S	
Lisbon Grain & Coal Co., Lisbon								
Alsike Clover, 5118	14688	S	L 97.25 F S	2.25 S	.24 S	.26 S	78 S	
Corn, Early August, 2755	14685	S	L 99.00 F S	. S	. S	1.00 S	90 S	
Corn, Golden Nugget, 1056	14686	S	L 99.00 F S	. S	. S	1.00 S	92 S	
Corn, Minn. No. 13, 2716	14687	S	L 99.00 F S	. S	. S	1.00 S	90 S	
Red Clover, Medium, 5188	14689	S	L 99.00 F S	.48 S	.35 S	.17 S	80 S	
L. O. Moulton, Ossipee								
Hungarian Millet, 2469	14579	S	L 99.25 F S	.10 S	.35 1.19	.30 S	90 S	Weed seeds excessive.
Arthur L. Potter, Conway								
Japanese Millet, 5107	14625	S	L 98.89 F S	.. S	1.05 S	.06 S	80 S	
Rochester Grain Co., Rochester								
Hungarian Millet, 2385	14418	S	L 99.48 F S	.04 S	.44 1.10	.04 S	91 S	Weed seeds excessive.
Japanese Millet, 5127	14417	S	L 98.67 F S	.20 S	1.13 S	.. S	82 S	
The Stymest Co., Bath								
Alfalfa, Grimm, 2337	14635	S	L 99.75 F S	.05 S	.05 S	.15 S	75 S	
Wirthmore Grain Co., Nashua								
Alfalfa, Grimm, 2368	14477	S	L 99.31 F S	.16 S	.23 S	.30 S	70 S	

Alsike Clover, 5120	14474	S	L	97.00	1.50	.62	.88	74	
			F	S	S	S	S	S	
Buckwheat, Japanese, 5140	14478	S	L	99.40	.37	.10	.13	85	
			F	S	S	S	S	S	
Corn, Silobred 4776	14473	S	L	99.50	..	..	.50	90	
			F	S	S	S	S	S	
Ladino Clover, 5204	14475	S	L	98.00	.75	.40	.85	80	Other crop seeds excessive.
			F	S	**1.61**	S	S	A	
Red Clover, Medium, 2425	14476	S	L	99.12	.60	.25	.03	80	
			F	S	S	S	S	S	
H. K. WEBSTER CO., Lawrence, Mass.									
Pittsfield Seed & Grain Co., Pittsfield									
Seed Oats, No. 1 White (Variety unknown)	14451	S	L	99.33	.35	.02	.30	97	
			F	S	S	S	S	S	
JOHN B. VARICK CO., Manchester, N. H.									
E. J. Daneault Co., Nashua									
Redtop, Pine Tree, 4135-60-1-2	14515	S	L	95.60	.20	.30	3.60	92	Other crop and weed seeds excessive.
			F	S	**1.14**	**1.14**	S	S	
WHITNEY SEED COMPANY, Buffalo, N. Y.									
R. J. Barbin & Co., Berlin									
Alsike Clover, 1530	14574	S	L	98.95	.65	.15	.25	80	
			F	S	S	S	S	S	
Red Clover, Medium, 50571	14572	S	L	99.14	.22	.10	.54	82	Inert matter excessive.
			F	S	S	S	**.93**	S	
Timothy, 12-46	14569	S	L	99.65	.05	.05	.25	90	
			F	S	S	S	S	S	
Checkerboard Feed Store, Lancaster									
Alsike Clover, 1583	14552	S	L	98.79	.53	.19	.49	80	Inert matter excessive.
			F	S	S	S	**.91**	S	
Barley, Wisc. 38, 80430	14546	S	L	98.94	.95	.01	.10	90	
			F	S	S	S	S	A	
Buckwheat, 8120	14544	S	L	98.98	..	.14	.88	90	
			F	S	S	S	S	S	
Japanese Millet, 46526	14545	S	L	98.92	..	1.05	.03	80	
			F	S	S	S	S	S	
Red Clover, Medium, 50574	14550	S	L	99.22	.11	.27	.40	86	
			F	S	S	S	S	S	
Redtop, 40447	14555	S	L	94.90	.40	.20	4.50	88	Other crop and weed seeds excessive.
			F	S	1.53	1.09	S	S	
Timothy, 12-47	14551	S	L	99.55	.10	.05	.30	90	
			F	S	S	S	S	S	

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			(Note)	(Note)	(Note)	(Note)	(Note)	
The Depot Store, Inc., Littleton								
Corn, Yellow Sweepstakes, 70410	14651	S	L 99.50	..	..	.50	90	
			F S	S	S	S	S	
Hungarian Millet, 58515	14652	S	L 98.05	.02	1.78	.15	85	Inert matter excessive.
			F S	S	S	.58	S	
Redtop, 40454	14649	S	L 95.10	.10	.30	4.50	90	Weed seeds excessive.
			F S	S	.87	S	S	
Farmers' Feed & Supply Co., Berlin								
Alsike Clover, 1580	14596	S	L 98.95	.65	.15	.25	80	
			F S	S	S	S	S	
Japanese Millet, 48520	14601	S	L 98.80	.21	.87	.12	81	
			F S	S	S	S	A	
Ladino Clover, 5643	14598	S	L 99.41	.04	.15	.40	80	
			F S	S	S	S	S	
Red Clover, Medium, 50568	14594	S	L 99.08	.40	.32	.20	74	Other crop seed excessive.
			F S	1.20	S	S	S	
Redtop, 40444	14600	S	L 92.00	1.00	.50	6.50	89	Other crop seed excessive.
			F S	1.70	S	S	S	
Soybeans, 66322	14597	S	L 99.60	..	..	.40	90	Germination below guarantee.
			F S	S	S	S	81	
Timothy, 1242	14595	S	L 99.60	.10	.05	.25	90	
			F S	S	S	S	S	
Vetch, Spring, 6727	14599	S	L 96.85	2.32	.02	.81	86	
			F S	S	S	S	S	
Farmers' Feed & Supply Co., Lancaster								
Alsike Clover, 1579	14588	S	L 98.70	1.05	.15	.10	84	
			F S	S	S	S	S	
Barley, 2-row Alpha, 80429	14583	S	L 99.64	.02	.01	.33	90	Inert matter excessive.
			F S	S	S	.79	S	
Corn, Cornell, 29-3, 70408	14584	S	L 99.50	..	..	.50	90	
			F S	S	S	S	S	
Japanese Millet, 46523	14586	S	L 98.77		1.22	.01	87	Purity below guarantee. Inert matter excessive.
			F 83.81	S	S	14.87	S	
Ladino Clover, 56 L 12	14585	S	L 99.15	.30	.45	.10	88	
			F S	S	S	S	S	
Peas, Canada Field, 65231	14587	S	L 99.00	..	..	1.00	90	
			F S	S	S	S	S	
Red Clover, Medium, 50568	14582	S	L 99.08	.40	.32	.20	74	
			F S	S	S	S	S	
Jesseman's Grain Store, Lisbon								
Corn, Leaming, 70426	14660	S	L 99.50	..	..	.50	90	
			F S	S	S	S	S	

Spaulding & Sons, Nashua									
Corn, Cornell 29-3, Lot 70409	14430	S	L	99.50	..	..	.50	90	
			F	S	S	S	S	S	
Corn, Leaming, 70417	14431	S	L	99.56	..	..	.50	90	
			F	S	S	S	S	S	
Mixture, Timothy and Alsike, 1361:	14433	S	L	..	.61	.56	1.56	..	Inert matter excessive. 3 Canada thistle per ounce found.
			F	..	S	S	2.97	..	
Timothy			L	76.90	..	..	..	88	
			F	S	..	..	..	S	
Alsike			L	20.37	..	..	..	70	Alsike clover below guarantee for germination.
			F	S	..	..	..	51.5	
Hungarian Millet, 48513	14434	S	L	99.16	.	.68	.16	88	Weed seeds excessive.
			F	S	S	1.54	S	S	
Japanese Millet, 46520	14436	S	L	98.80	.21	.87	.12	81	
			F	S	S	S	S	S	
Timothy, 12-45	14435	S	L	99.80	.05	.	.10	90	
			F	S	S	S	S	S	
Winter Rye, 83242	14432	S	L	99.43	.01	.01	.55	85	
			F	S	S	S	S	S	

In the case of the following samples of agricultural seeds, either the wholesaler is unknown or it is presumed that the seed was carried over by the dealer from the previous season; hence, the name of the wholesaler is omitted.

Ayers & Jenkins Co., Rochester									
Alsike Clover, 2853	14409	3/1946	L	98.10	.80	.25	.85	74	Not tested within 9 months.
			F	S	S	S	S	S	
Hungarian Millet, 83108	14407	3/1946	L	98.34	.02	1.36	.28	88	Not tested within 9 months.
			F	S	S	S	S	S	
Redtop, 41296, 0111714	14410	2/1946	L	96.70	.30	.20	2.80	89	Not tested within 9 months.
			F	S	S	.80	S	S	Weed seeds excessive.
Timothy, 6243	14408	2/1946	L	99.65	.05	.05	.25	87	Not tested within 9 months.
			F	S	S	S	S	S	
Frank Baldwin, Pittsburg									
Timothy	14681	None	L	..	..	..	.	..	Not guaranteed for purity or germination; no date of test or lot identification.
			F	99.13	.15	.53	.19	68	
W. R. Barnett Co., Colebrook									
Alfalfa, 28-403	14607	1/1946	L	99.25	.07	.31	.37	62	Not tested within 9 months.
			F	S	S	S	S	S	
Alsike Clover, 25-444	14612	1943	L	97.40	1.70	.70	.20	78	Not tested within 9 months.
			F	S	S	S	S	S	
Canada Field Peas, 60-16	14610	10/1945	L	99.25	..	..	.75	93	Not tested within 9 months.
			F	S	S	S	S	S	

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Name and Address of Wholesaler Name and Address of Dealer Kind of Seed	Sample No.	Date Tested*	Pure Seed	Other Crop Seed	Weed Seed	Inert Matter	Germination	Remarks
			(Note)	(Note)	(Note)	(Note)	(Note)	
Red Clover, Medium, 15-599	14606	2/1946	L 99.30 F S	.40 1.03	.08 S	.22 S	67 S	Not tested within 9 months. Other crop seeds excessive.
Redtop, 30-153	14605	1/1946	L 92.00 F S	.79 S	.65 S	6.53 S	90 S	Not tested within 9 months.
Timothy, 10-648	14608	3/1946	L 99.60 F S	.15 S	.10 S	.15 S	90 78	Not tested within 9 months. Germination below guarantee.
Beacon Grain Store, Dover								
Corn, Ensilage, No. 70312	14405	2/1946	L 99.50 F S	S	S	.50 S	94 S	Not tested within 9 months.
Central Feed & Grain Co., Somersworth								
Hungarian Millet, 1292	14380	11/1945	L 98.12 F S	.14 S	1.44 S	.30 S	92 S	Not tested within 9 months.
Japanese Millet, 6247	14379	1/1946	L 98.84 F S	S	1.04 1.78	.12 S	83 S	Not tested within 9 months. Weed seeds excessive.
Red Clover, Medium, 15-299	14383	2/1940	L 99.04 F S	.50 S	.14 S	.32 S	80 41	Not tested within 9 months. Germination below guarantee.
Red Clover, 12-88	14385	11/1945	L 99.00 F S	.42	.06	.50 S	90 S	Not tested within 9 months.
Redtop, Fancy, 7880	14381	1/1945	L 92.60 F S	1.60 S	.60 S	5.20 S	91 S	Not tested within 9 months.
Timothy, 7607	14382	1/1946	L 99.60 F S	.05 S	.05 S	.30 S	92 S	Not tested within 9 months.
Checkerboard Feed Store, Lancaster								
Corn, Minn. 13, 70315	14543	3/1946	L 99.50 F S	S	S	.50 S	85 S	Not tested within 9 months.
Redtop, Fancy, 4317	14553	6/1945	L 92.31 F S	.13 1.46	.81 2.33	6.75 S	90 31.5	Not tested within 9 months. Germination below guarantee. Other crop and weed seeds excessive.
Soybeans, 66215	14549	3/1946	L 99.24 F S	.02 S	.04 S	.70 S	86 S	Not tested within 9 months.
Colebrook Dairy Producer, Colebrook								
Oats, O & M Vicland, 19 M	14667	2/1945	L 98.00 F S	.35 S	.15 S	1.50 S	94 S	Not tested within 9 months.
Colebrook Feed Co., Colebrook								
Ladino Clover, 48578, No. 3187-B	14676	2/1946	L 98.58 F S	1.17 S	.05 S	.20 S	63 S	Not tested within 9 months.
Redtop, 1451-A	14672	S	L 92.00 F S	.28 1.32	.71 1.59	7.01 S	75 A	Other crop and weed seeds excessive.
Timothy, 1232	14673	S	L 99.50 F S	.05 S	.25 S	.20 S	90 S	

Delaware Feed Store, Farmington									
Alsike Clover, 6323	14438	1/1946	L	98.50	1.00	.25	.25	80	Not tested within 9 months.
			F	S	S	**.92**	S	S	Weed seeds excessive.
Redtop, 4173	14440	12/1945	L	93.90	.80	.74	5.36	90	Not tested within 9 months.
			F	S	S	S	S	S	
The Depot Store, Inc., Littleton									
Alsike Clover, 15510	14650	3/1945	L	98.50	1.10	.10	.30	73	Not tested within 9 months.
			F	S	S	.45	S	S	Weed seeds excessive.
Hungarian Millet, 48-511	14648	2/1946	L	98.48	.10	.70	.10	84	Not tested within 9 months.
			F	S	S	S	S	S	
Dover Grain Co., Dover									
Japanese Millet, 6247	14387	12/1945	L	98.84	.	1.04	.12	83	Not tested within 9 months.
			F	S	S	S	S	S	
Eastern States Farmers' Exch., Woodsville									
Barley, Wisc. 38, 1305	14644	12/1945	L	99.25	.50	.10	.15	92	Not tested within 9 months.
			F	S	**1.06**	S	S	S	Other crop seeds excessive.
Oats, Lenroc, 1303	14641	12/1945	L	99.20	.20	.50	.10	91	Not tested within 9 months. 8
			F	S	S	S	S	S	quackgrass per pound found.
Charles J. Goss, Lakeport									
Corn, No. 167	14323	1/1945	L	..	..			90	Not tested within 9 months.
			F	99.50	S	S	.50	**63.5**	Germination below guarantee.
Corn, No. 125	14324	2/1944	L	.	.	..		90	Not tested within 9 months.
			F	99.50	..	.	.50	S	
Corn, No. 499	14325	3/1946	L	..	..	..		90	Not tested within 9 months.
			F	99.50	S	S	.50	S	
James B. Griffin, Newmarket									
Alsike Clover, No. 15511	14362	1/1945	L	98.30	.30	.30	.10	80	Not tested within 9 months.
			F	S	**1.27**	**.96**	S	**35.5**	Germination below guarantee. Other crop and weed seeds excessive.
Hungarian Millet, 48510	14357	1/1946	L	98.48	.72	.70	.10	87	Not tested within 9 months.
			F	S	S	**2.10**	S	S	Weed seeds excessive.
Hungarian Millet, 4854	14361	3/1945	L	99.38	.04	.18	.40	82	Not tested within 9 months.
			F	**97.71**	S	**1.37**	.77	S	Purity below guarantee. Weed seeds and inert matter excessive.
Japanese Millet, 46519	14363	4/1946	L	98.10		1.62	.28	80	Not tested within 9 months.
			F	S	S	S	S	S	
Red Clover, Medium, 50568	14360	1/1946	L	99.08	.40	.32	.20	90	Not tested within 9 months.
			F	S	S	S	S	**79**	Germination below guarantee.
Redtop, 40438	14359	4/1946	L	95.40	.40	.60	3.60	90	Not tested within 9 months.
			F	S	**1.36**	S	S	S	Other crop seeds excessive.
Timothy, 12-28	14358	3/1946	L	99.60	.10	.05	.25	96	Not tested within 9 months.
			F	S	S	S	S	**88.5**	Germination below guarantee.

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Name and Address of Wholesaler Name and Address of Dealer Kind of Seed	Sample No.	Date Tested*		Pure Seed (Note)	Other Crop Seed (Note)	Weed Seed (Note)	Inert Matter (Note)	Germination (Note)	Remarks
A. L. Haskins' Hardware, Wolfeboro									
Red Clover, Medium, 87-14	14557	10/1945	L	99.30	.54	.06	.10	84	Not tested within 9 months.
			F	S	1.03	S	S	S	Other crop seeds excessive.
Jesseman's Grain Store, Lisbon									
Timothy, 669-48	14659	None	L	..	..	..	..	..	No date of test. Not guaranteed for purity or germination.
			F	93.31	1.43	1.10	4.16	80	
Johnson Grain Co., Nashua									
Alsike Clover	14518	None	L	..	..	..	..	..	No guarantee for purity or germination; no date of test or lot identification.
			F	96.77	.91	1.64	.68	84	
Hungarian Millet, J6-N46	14520	3/1946	L	98.42	trace	1.22	.36	81	Not tested within 9 months.
			F	S	S	S	S	66	Germination below guarantee.
Redtop, 30-157	14523	4/1946	L	92.46	.85	.42	6.27	90	Not tested within 9 months.
			F	S	S	.93	S	S	Weed seeds excessive.
Timothy, 10 x 617	14522	6/1945	L	99.60	.05	.25	.10	90	Not tested within 9 months.
			F	S	S	S	S	78	Germination below guarantee.
J. Jones & Son, Alton									
Alsike Clover	14456	None	L	..	..	..	..	..	No guarantee for purity or germination; no date of test or lot identification.
			F	96.62	1.38	.95	1.05	27	
Hungarian Millet	14458	None	L	..	..	..	..	..	No guarantee for purity or germination; no date of test or lot identification.
			F	99.16	..	.28	.56	0	
Lakes Region Feed & Supply, Laconia									
Soybeans, Black Wilson	14329	None	L	..	..	..	..	..	No guarantee for purity or germination; no date of test or lot identification.
			F	99.50	..	..	.50	79.5	
North Stratford Grain Co., North Stratford									
Japanese Millet, 90-30	14593	3/1946	L	97.46	.20	2.22	.12	80	Not tested within 9 months.
			F	S	S	3.06	S	66	Germination below guarantee. Weed seeds excessive.
Arthur L. Potter, Conway									
Hungarian Millet, 4292	14624	11/1945	L	98.12	.14	1.44	.30	92	Not tested within 9 months.
			F	S	S	S	S	S	
Ladino Clover, B 6603	14620	1/1946	L	99.83	..	..	.03	92.75	Not tested within 9 months.
			F	S	S	S	S	S	
Reil & Stapleton Grain & Coal Co., Pittsfield									
Redtop, 2033	14472	2/1943	L	93.80	.40	.60	5.20	90	Not tested within 9 months.
			F	S	1.24	1.06	S	S	Other crop and weed seeds excessive.

Timothy, 2099	14471	4/1944	L	99.60	.10	.05	.25	90.56	Not tested within 9 months.
			F	S	S	S	S	S	
Spaulding & Sons, Nashua									
Timothy, 12-39	14437	7/1946	L	99.76	.03	.01	.20	90	Not tested within 9 months.
			F	S	S	S	S	S	
A. J. Turcotte Hardware, Newmarket									
Corn, Eureka Ensilage	14367	3/1946	L	99.00	..	..	..	90	No lot identification. Not
			F	S	..	..	..	67	tested within 9 months. Germination below guarantee.
Corn, Ensilage Leaming	14366	3/1946	L	99.00	..	..	..	90	No lot identification. Not
			F	S	..	..	..	72.5	tested within 9 months. Germination below guarantee.
Corn, Field Longfellow	14368	3/1946	L	99.00	..	..	..	90	No lot identification. Not
			F	S	..	..	..	S	tested within 9 months.
Winter Vetch, 099196	14365	None	L	99.53	08	.01	.38	90	No date of test. Germination
			F	S	S	S	S	69.5	below guarantee.

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New Hampshire Experiment Station

VEGETABLE SEED INSPECTION, 1947

Name and Address of Wholesaler Name and Address of Dealer Kind of Seed	Sample No.	Date Tested*	Germination		
			Found (Note)	Guaranteed**	N. H. Standard
ALLEN, STERLING & LOTHROP, Portland, Me.					
Carroll County Hardware, North Conway					
Beans, Yellow Eye	14563	S	S	90	75
Beets, Detroit Dark Red	14565	S	S	78	65
Corn, Golden Bantam	14562	S	S	90	75
Hicks Hardware, Colebrook					
Beans, Red Kidney	14630	S	S	90	75
Stone's Hardware Store, Gorham					
Beans, Old Fashioned Cranberry	14616	S	S	90	75
Corn, Golden Sunshine	14617	S	S	88	75
Peas, Blue Bantam	14618	S	S	85	80
ASSOCIATED SEED GROWERS, INC., Milford, Conn.					
Farmers' Feed & Supply Co., Berlin					
Beans, Kentucky Wonder	14604	S	S	..	75
Corn, Golden Bantam	14602	S	S	90	75
Peas, Imp. Tall Telephone, 5039	14603	S	S	90	80
Farmers' Feed & Supply Co., Lancaster					
Peas, Thomas Laxton, 5502	14581	S	S	90	80
C. J. Goss, Lakeport					
Peas, Blue Bantam	14326	S	S	87	80
A. L. Haskins Hardware, Wolfeboro					
Beans, White Pea	14559	S	S	90	75
Beets, Detroit Dark Red	14561	S	S	85	65
Corn, Golden Sunshine	14560	S	S	90	75
Peas, Bliss Everbearing	14558	S	S	81	80
Hicks Hardware, Colebrook					
Peas, Gradus	14632	S	S	90	80
Merrimack Farmers' Exch., Inc., Concord					
Beans, Flash	14280	S	S	..	75
Lima Beans, Henderson Bush, 5078	14279	S	70÷	85	70
Peas, Laxtonian	14282	S	S	85	80
Squash, Blue Hubbard	14281	S	S	96	75
Seavey Hardware Co., Dover					
Cabbage, Copenhagen Market	14429	S	S	90	75
Turnip, White Globe	14428	S	S	90	80
JOSEPH BRECK & SONS, Boston, Mass.					
Gardner Hardware, Concord					
Cabbage, Danish Ballhead	14288	S	S	80	75
Onion, Yellow Globe Danvers	14286	S	S	75	70
Halladay's Hardware, Hillsborough					
Corn, Golden Bantam	14469	S	S	75	75
Peas, World Record, 6578	14470	S	S	80	80
A. L. Haskins Hardware, Wolfeboro					
Pumpkin, Small Sweet Sugar	14556	S	S	80	75
Jefferson Feed & Supply Co., Rochester					
Beans, Pencil Pod Black Wax	14374	S	S	75	75
Corn, Golden Sunshine	14376	S	S	75	75
Corn, Golden Bantam	14377	S	S	75	75
Laconia Hardware Co., Laconia					
Muskmelon, Rocky Ford	14328	S	S	80	75
Squash, Butternut	14327	S	S	80	75
Paradise Hardware, Somersworth					
Beet, Crosby's Egyptian	14403	S	S	70	65
Broccoli, Italian Green Sprouting	14404	S	S	80	75
Carrot, Chantenay	14402	S	S	..	55
Pumpkin, Small Sweet Sugar, 6700	14401	S	S	80	75

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			Found	Guaranteed**	N. H. Standard
W. ATLEE BURPEE CO., Philadelphia, Pa.			(Note)		
Glazier & Fox, Portsmouth					
Endive, Broad Leaved Batavian	14510	S	58	78	70
Pepper, Sunnybrook	14513	S	S	70	55
Swiss Chard, Lucullus	14512	S	S	74	65
Mabbett Home & Auto Supply, Rochester					
Beans, Giant Stringless Green Pod	14388	S	S	85	75
Corn, Hybrid Sweet, Golden Cross Bantam, 309	14391	S	S	85	75
Peas, World Record, 760	14390	S	S	85	80
ARTHUR R. CONE, Buffalo, N. Y.					
F. B. Spaulding & Co., Lancaster					
Beans, Yellow Eye	14701	S	S	90	75
CROSSMAN SEED CORP., East Rochester, N. Y.					
S. S. Kresge Co., Concord					
Onion, Yellow Globe Danvers	14320	S	S	75	70
Parsnip, Improved Hollow Crown	14319	S	S	65	60
Montgomery Ward & Co., Dover					
Cucumber, Improved Long Green	14422	S	S	80	80
Lettuce, Black Seeded Simpson	14425	S	S	80	80
Muskmelon, Rocky Ford or Netted Gem	14427	S	S	80	75
Spinach, Bloomsdale, Summer Savoy	14426	S	S	60	60
EASTERN STATES FARMERS' EXCH., West Springfield, Mass.					
Eastern States Farmers' Exch., Concord					
Cabbage, Chihli (Chinese)	14294	S	S	90	75
Carrot, Danvers Half Long	14293	S	S	80	55
Corn, Early Golden 1.13 Yellow Hybrid	14297	S	S	95	75
Leek, Giant Musselburgh	14296	S	S	90	60
Lettuce, Great Lakes	14295	S	S	95	80
Radish, White Icicle	14291	S	S	90	75
Rutabaga, Bristol White	14292	S	S	95	75
Eastern States Farmers' Exch., Dover					
Beet, Crosby Early Wonder	14411	S	S	65	65
Cauliflower, Super Snowball	14412	S	S	80	75
Celery, Fordhook Emperor	14413	S	S	70	55
Onion, Silverskin White Portugal	14414	S	S	95	70
Parsnip, Improved Hollow Crown	14415	S	S	75	60
Eastern States Farmers' Exch., Manchester					
Broccoli, Early One	14343	S	S	90	75
Spinach, Dark Green Bloomsdale	14345	S	S	70	60
Swiss Chard, Lucullus	14344	S	S	80	65
EMPIRE SEED CO., INC., Fredonia, N. Y.					
The Waite, Inc., Concord					
Beet, Early Blood Turnip	14317	S	S	65	65
Carrot, Chantenay	14318	S	S	55	55
White Mt. Fruit Co., Gorham					
Cabbage, Mammoth Rock Red	14629	S	S	75	75
Cucumber, Boston Pickling	14628	S	S	80	80
Lettuce, Improved New York Iceberg	14627	S	S	80	80
FERRY-MORSE CO., Detroit, Mich.					
Nashua Grain Co., Nashua					
Asparagus, Mary Washington	14349	S	S	70	70
Carrot, Danvers	14348	S	S	60	55
J. J. Newberry Co., Concord					
Beet, Detroit Dark Red	14308	S	S	70	65
Onion, Southport White Globe	14309	S	S	75	70
Parsnip, Hollow Crown	14307	S	S	70	60
Peavey's Hardware, Portsmouth					
Lettuce, Prizehead	14528	S	S	90	80
Rhubarb, Victoria Pie Plant	14529	S	S	65	60
Squash, Summer Crookneck	14530	S	S	..	75
FREDONIA SEED CO., Fredonia, N. Y.					
General Mills, Inc., Portsmouth					
Carrot, Chantenay	14538	S	S	55	55
Cauliflower, Early Snowball	14539	S	S	75	75
Tomato, Earliana	14540	S	S	75	75

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			Found	Guaranteed**	N. H. Standard
			(Note)		
GENERAL MILLS, INC.					
General Mills, Inc., Portsmouth					
Beet, Detroit Dark Red	14536	S	58	75	65
Cabbage, Golden Acre	14537	S	S		75
Lettuce, Boston Curled	14535	S	S	82	80
CHAS. C. HART SEED CO., Wethersfield, Conn.					
E. E. Baker & Sons, Inc., Bartlett					
Corn, Golden Sunshine	14636	S	S	90	75
Peas, Blue Bantam	14637	S	S	90	80
The Depot Store, Inc., Littleton					
Corn, Early Golden Bantam, 6-8	14647	S	S	85	75
Peas, Laxtonian	14646	S	S	85	80
Gardner Hardware, Concord					
Tomato, Hart's Improved New Stone	14285	S	S	75	75
J. Jones & Son, Alton					
Beans, Improved Golden Wax, 6-C	14457	S	S	85	75
Beans, Bountiful, 6-62	14461	S	S	90	75
Beans, Kentucky Wonder, C-19	14462	S	S	85	75
Beans, Improved Brittle Wax, 6-56	14463	S	S	90	75
Peas, Tall Telephone, 6-86	14455	S	S	85	80
H. P. Maxfield, Inc., Pittsfield					
Beans, Red Kidney, 6-95	14491	S	S	90	75
Beans, Round Pod Kidney Wax	14492	S	S	90	75
Corn, Early Golden Bantam, 6-8	14486	S	S	85	75
Corn, Extra Early Golden Gem	14490	S	S	90	75
Peas, Sutton's Excelsior	14494	S	S	85	80
Peas, Dwarf Telephone, 6-3	14495	S	76	90	80
Merrimack Farmers' Exch., Inc., Concord					
Squash, Golden Delicious	14283	S	S	..	75
BUDD D. HAWKINS, Reading, Vt.					
Frank Baldwin, Pittsburg					
Carrot, Nantes Coreless	14678	S	S	55	55
Cucumber, Extra Early Russian	14680	S	S	80	80
Onion, White	14679	S	S	70	70
Gardner Hardware, Concord					
Beets, Early Wonder	14289	S	S	65	65
Onion, White	14290	S	S	70	70
Parsnip, Improved Hollow Crown	14287	S	S	60	60
Pepper, Long Red Cayenne	14284	S	26	55	55
General Mills, Nashua					
Citron, (for Sweetmeats and Preserves)	14507	S	S	65	65
Pumpkin, New England Sugar or Pie	14506	S	S	75	75
Turnip, New White Sweet German	14508	S	S	80	80
Hillsborough General Store, Hillsborough					
Cucumber, Early White Spine	14468	S	S	80	80
New Zealand Spinach	14467	S	S	40	40
Radish, Early Scarlet Turnip	14466	S	S	75	75
Hillsborough General Store, Hillsborough					
Tomato, True Giant Ponderosa	14464	S	S	75	75
Turnip, New White Sweet German	14465	S	S	80	80
Hopkins & Barlow, Inc., Lakeport					
Carrot, Danvers Half Long	14311	S	S	55	55
Cucumber, Improved Long Green	14310	S	S	80	80
Lettuce, Imperial 44, Crisp Head	14312	S	S	80	80
D. LANDRETH SEED CO., Philadelphia, Pa.					
Ayers & Jenkins Co., Rochester					
Beans, Green Podded Bush	14406	S	S	85	75
Corn, Yellow Sugar, Golden Bantam	14420	S	S	85	75
Johnson Grain Co., Nashua					
Corn, Yellow Sweet, Marcross Hybrid	14525	S	S	85	75
O. F. Porter, Wolfeboro					
Corn, Golden Bantam	14665	S	S	90	75
Sunshine Feed Store, Manchester					
Cucumber, Early Cluster	14340	None	S	80	80
Parsnip, Sugar or Hollow Crown	14341	None	S	70	60
Squash, Golden Hubbard	14342	None	S	..	75

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÷÷ Variety not given.

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			Found	Guaranteed**	N. H. Standard
			(Note)		
MANDEVILLE & KING CO., Rochester, N. Y.					
Dover Hardware, Dover					
Rutabaga, American Purple Top	14400	S	S	76	75
Carrot, Danvers Half Long	14399	S	S	76	55
E. C. Foss Co., Rochester					
Lettuce, Black Seeded Simpson's	14396	S	S	..	80
Onion, Southport Yellow Globe	14397	S	S	..	70
Squash, Hubbard	14398	S	S	..	75
Swiss Chard÷÷	14395	S	S	..	65
V. E. Trace, Pittsfield					
Muskmelon, Early Bender	14447	S	S	80	75
Squash, Hubbard	14446	S	S	80	75
NORTHRUP, KING & CO., Minneapolis, Minn.					
Central Feed & Grain Co., Somersworth					
Carrot, Chantenay	14393	S	S	..	55
Lettuce, Paris' White Cos or Romaine	14392	S	S	..	80
Rutabaga or Swede, Am. Purple Top	14394	S	S	..	75
John M. Guay Hardware Co., Laconia					
Pumpkin, Early Sugar or Pie	14331	S	S	..	75
Radish, Early Scarlet Globe	14332	S	S	..	75
J. P. Keenan, Dover					
Beet, Detroit Dark Red	14424	S	S	..	65
Cucumber, Improved White Spine Early Fortune	14421	S	S	..	80
Pumpkin, Connecticut Field	14423	S	S	..	75
McAllister General Store, Center Barnstead					
Cabbage, Copenhagen Market	14448	S	S	..	75
Pumpkin, Early Sugar or Pie	14449	S	S	..	75
Pumpkin, Connecticut Field	14450	S	S	..	75
F. W. Woolworth Co., Concord					
Onion, Large White Globe	14322	S	S	..	70
Tomato, Oxheart	14321	S	S	..	75
THE PAGE SEED CO., Greene, N. Y.					
R. J. Barbin & Co., Berlin					
Beans, Black Wax Pencil Pod	14568	S	S	90	75
Beets, Detroit Dark Red	14566	S	S	85	65
City Hardware, Berlin					
Cabbbage, Improved Savoy	14703	S	S	85	75
Endive, Batavian Broad Leaved	14698	S	S	75	70
Parsnip, Hollow Crown	14702	S	S	60	60
Delaware Feed Store, Farmington					
Beans, Golden Wax Top Notch	14445	S	S	75	75
Corn, Golden Bantam, B 7-5547	14443	S	S	90	75
Jefferson Feed & Supply Co., Rochester					
Peas, Blue Bantam	14375	S	S	80	80
PURINA MILLS, FARM SUPPLY DEPT., St. Louis, Mo.					
Checkerboard Feed Store, Concord					
Beans, Bush Stringless Green Pod	14300	S	S	80	75
Beans, Bush Pencil Pod Wax	14301	S	S	90	75
Beets, Crosby's Early Egyptian	14299	S	S	70	65
Carrot, Chantenay	14306	S	S	55	55
Peas, Tall Telephone	14303	S	S	85	80
JEROME B. RICE SEED CO., Shushan, N. Y.					
Hillsborough Feed Store, Hillsborough					
Beans, Pencil Pod Black Wax	14482	S	S	80	75
ROSS BROTHERS. CO., Worcester, Mass.					
J. Jones & Son, Alton					
Beets, Early Wonder	14452	S	S	..	65
Carrot, Hutchinson	14454	S	S	..	55
Cucumber, Boston Pickling	14453	S	S	..	80

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H. P. Maxfield, Inc., Pittsfield					
Lettuce, Iceberg	14483	S	S	..	80
Spinach, Early Giant Thick Leaved	14484	S	S	..	60
Swiss Chard÷÷	14485	S	S	..	65
Arthur L. Potter, Conway					
Squash, Early Summer Crookneck	14623	S	S	..	75
Turnip, Early Flat Purple Top	14622	S	S	..	80
STERLING SEED CO., Minneapolis, Minn.					
W. T. Grant Co., Berlin					
Beets, Extra Early Flat Egyptian	14682	S	S	..	65
Cabbage, Danish Ball Head	14683	S	69	..	75
Carrot, Nantes	14684	S	S	..	55
SEARS, ROEBUCK & CO., Chicago, Ill.					
Sears, Roebuck & Co., Concord					
Beets, Detroit Dark Red	14314	S	S	70	65
Carrot, Danvers	14313	S	S	55	55
Onion, Red Wethersfield	14315	S	S	75	70
Parsnip, Hollow Crown	14316	S	S	65	60
VAUGHAN'S SEED STORE, New York, N. Y.					
Katkin Flower Shop, Portsmouth					
Beets, Crosby's Egyptian	14533	1947***	S	70	65
Carrot, Early Chantenay	14531	1947***	S	70	55
Lettuce, Oak Leaf	14532	1947***	S	90	80
F. H. WOODRUFF & SONS, INC., Milford, Conn.					
General Mills, Nashua					
Beans, Top Notch Golden Wax	14500	S	70	85	75
Beans, Improved Yellow Eye	14502	S	S	90	75
Beans, Kentucky Wonder Pole	14503	S	S	85	75
Peas, Gradus	14501	S	S	90	80
Hillsborough Feed Co., Hillsborough					
Peas, Improved Telephone	14479	S	S	90	80
Clement P. Roy, Somersworth					
Squash, Blue Hubbard	14378	S	S	95	75
S. D. WOODRUFF & SONS, INC., Orange, Conn.					
Checkerboard Feed Store, Concord					
Beets, Detroit Dark Red	14298	S	S	70	65
Carrot, Hutchinson	14302	S	S	60	55
Cucumber, Boston Pickling	14305	S	S	80	80
Parsnip, Hollow Crown	14304	S	S	65	60
Laconia Feed & Farm Supply Co., Laconia					
Endive, Green Curled	14334	S	S	..	70
Pepper, California Wonder	14333	S	S	..	55

In the case of the following samples of vegetable seeds, either the wholesaler is unknown or it is presumed that the seed was carried over by the dealer from the previous season; hence, the name of the wholesaler is omitted.

Carroll County Hardware, North Conway					
Beans, Soldier	14564	None	S	..	75
Center Ossipee Market, Inc., Center Ossipee					
Beans, Pencil Pod Black Wax	14547	None	S	..	75
Peas, Blue Bantam	14548	None	S	..	80
Central Feed & Grain Co., Somersworth					
Peas, Dwarf Telephone	14384	None	S	..	80
City Hardware Store, Berlin					
Beans, Bush Lima	14542	None	S	..	70
Delaware Feed Store, Farmington					
Corn, Marcross, B 37-5547	14444	None	S	90	75
Peas, World's Record	14442	None	S	90	80
Farmers' Feed & Supply, Lancaster					
Sweet Corn, Spancross	14589	10/1945	S	90	75
Glazier & Fox, Portsmouth					
Lima Beans, Pole	14514	None	52	..	70
Cabbage, Copenhagen Market	14511	1/1944	2	80	75
Peas, Blue Bantam	14509	None	S	..	80

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			(Note)		
James B. Griffin, Newmarket					
Cucumber, Long Green	14352	1/1946	S	85	80
Cucumber, White Spine	14355	12/1945	82÷	95	80
Muskmelon, Delicious	14350	1/1945	S	80	75
Spinach, New Zealand	14351	12/1945	50÷	90	40
Radish, Scarlet Turnip White Tip	14353	2/1946	S	72	75
Spinach, Round Thick Leaf	14354	12/1945	S	90	60
Squash, Blue Hubbard	14356	12/1945	S	90	75
A. L. Haskins' Hardware, Wolfeboro					
Peas, Laxton's Progress	14554	None	S	..	80
Hick's Hardware, Colebrook					
Corn, Hybrid Blend, 12-row	14631	None	S	..	75
Lakes Region Feed & Supply, Laconia					
Peas, World's Record	14330	12/1945	S	..	80
H. P. Maxfield, Inc., Pittsfield					
Beans, Vermont Cranberry	14493	1947***	S	84	75
Merrimack Farmers' Exch., Inc., Concord					
Squash, Blue Hubbard, Boston Type	14278	None	S	..	75
L. O. Moulton, Ossipee					
Beans, Kentucky Wonder Pole	14576	1/1944	S	90	75
Beans, Improved Golden Wax	14577	None	S	..	75
Peas, World's Record	14575	1/1944	S	85	80
Peas, Sutton's	14578	None	S	..	80
O. F. Porter, Wolfeboro					
Beans, Sure Crop Wax	14663	1946***	S	..	75
Beans, Kentucky Wonder Pole	14666	1946***	S	..	75
Peas, Tall Telephone	14661	1946***	72	..	80
Peas, Bliss Everbearing	14662	1946***	S	..	80

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